

SEQUENCE LISTING

<110> Nichirei Corporation

<120> Primers and probes for detection of vibrio cholera or vibrio mimicus
and method of using thereof

<130> PH-1967-PCT

<140>

<141>

<150> JP 2002/362878

<151> 2002-12-13

<160> 6

<170> PatentIn Ver. 2.1

<210> 1

<211> 885

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio
cholera and vibrio mimicus -gyrB

<400> 1

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 caagcacctg tgkctgtrgt rggtgakacw gagcgtagcg gtactaccgt acgtttcttg 180
 ccwagygcac aracytttac caatatcgaa ttycattacg acattytggc taaacgyctg 240
 cgtgagctgt cattcctgaa ytctggcggtg tcgatcaagc tgaysgatga rcgtgaagaa 300
 gataaraaag accacttyat gtatgaaggk ggtattcaag cgtttgtkac ccacttgaac 360
 cgyaayaaaa cgccratcca tgaraaagtm ttccacttya accaagagcg tgaagatggc 420
 atcagcgtgg aagtggcrat gcagtggaay gatggtttcc aagaaaacat ctactgcttt 480
 acyaacaaca tyccacagcg tgatggyggt acccayttag cyggtttccg tgggtgcrttg 540
 acccgtagctt tgaacaacta yatggayaaa gaaggcttct cgaagaaagc scaagcrgca 600
 acctcgggtg atgatgcgcg tgaaggctta acrgcdgtkg tdtcggtgaa agtrccrgat 660
 cctaaattct cragccaaac caagataag ctrgtttctt cggargtraa atccgcrgtt 720
 gartcagcya tgaatgagaa gctggcrgat ttctrgcgg aaaaccaag cgaagcgaaa 780
 aacgtttgtt cgaagattat tgatgcrgcr cghgckcgtg aagcvgcgcg taaagcmcgk 840
 gaaatgacyc gycgtaaagg cgcgytrgay ythgcwggyt trcch 885

<210> 2

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio cholera and vibrio mimicus -rpoD

<400> 2

acacgtgaag gygaaatcga tattgccaag cgcattgaag atggtattaa ccaagttcaa 60
 agtgcgattg ctgagtatcc tggaaccatc ccwtayattc ttgaracgtt tgaymrkgtt 120

caggcmgaag arctacgtct sactgayctg atttcwgggtt tcgttgaycc taacgacatg 180
gaaaccgaag cgccaacygc kactcacatc ggttcwgarc tytctgaagc sgatctcgck 240
gatgaagatg aygmkgtcgy sgargatgaa gacgargatg aagaygaaga yggcgacggt 300
gaaagyagcg acagcgaaga agaagtsggt atygaccctg arctsgctcg tgagaaattc 360
aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420
agtmaycaag cwtctgaagc ktcarrcytr gtrytggata tyttccgyga attccgycta 480
acaccaaarc aattygacca yttggttgaa actctgcgya cytcratgga tcgtgttcgy 540
acccaagarc gyttggtrat gaaagcvgtr gttgaagtcg cgaaratgcc raagaaatcr 600
ttyatygcyc trtttacagg caatgaatcg aatgargart ggctbgataa agtvctygct 660
tctgayaarc cttaygtasm raaagtmcgt gagcaagaag amgakatycg ccgytcaaty 720
caraaactdc aratgatcga rcargagacw tcaactgtctg ttgarcgyat caaagacatc 780
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<210> 3

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence vibrio cholera-gyrB

<400> 3

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caggcmgaag arctacgtct sactgayctg atttcwgggtt tcgttgaycc taacgacatg 180
gaaaccgaag cgccaacygc kactcacatc ggttcwgarc tytctgaagc sgatctcgck 240
gatgaagatg aygmkgtcgy sgargatgaa gacgargatg aagaygaaga yggcgacggt 300

gaaagyagcg acagcgaaga agaagtsagg atygacctg arctsgctcg tgagaaattc 360
 aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420
 agtmaycaag cwtctgaagc ktcarrcytr gtrytgata tyttccgyga attccgycta 480
 acaccaaarc aattygacca yttggttgaa actctgcgca cytcratgga tcgtgttcgy 540
 acccaagarc gyttggtrat gaaagcvgr gttgaagtcg cgaaratgcc raagaaater 600
 ttyatygcyc trtttacagg caatgaatcg aatgargart ggctbgataa agtvctygct 660
 tctgayaarc cttaygtasm raaagtmcgt gagcaagaag amgakatygc ccgytcaaty 720
 caraaactdc aratgatcga rcargagacw tcaactgtctg ttgarccyat caaagacatc 780
 agccgtcgta tgtcwatcgg tgargcraaa gctcgccgtg cg 822

<210> 4

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio cholera -rpoD

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 caggccgaag agctacgtct cactgacctg atttcaggtt tcgttgaycc taacgacatg 180
 gaaaccgaag cgccaaccgc gactcacatc ggttctgagc tttctgaagc ggatctcgcg 240
 gatgaagatg atgctgtcgt cgaagatgaa gacgaagatg aagacgaaga tggcgacggt 300
 gaaagcagcg acagcgaaga agaagtcggt atcgacctg aactggctcg tgagaaattc 360
 aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420
 agtcatcaag cttctgaagc gtcagactta gtgytgata tcttccgtga attccgycta 480
 acaccaaagc aattcgacca cttggttgaa actctgcgca cttcaatgga tcgtgttcgc 540

acccaagaac gtttgtrtat gaaagcggta gttgaagtcg cgaagatgcc gaagaaatcg 600
 ttcatacccc tattttacagg caatgaatcg aatgaagagt ggctggataa agtccttgct 660
 tctgacaagc cttacgtagc gaaagtccgt gagcaagaag aagagatccg ccgttcaatt 720
 cagaaactac aaatgatcga gcaagagaca tcactgtctg ttgaacgcat caaagacatc 780
 agccgctcgta tgtcaatcgg tgaggcraaa gctcgccgtg cg 822

<210> 5

<211> 885

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio
mimicus -gyrB

<400> 5

gtctccggtg gtctacacgg ggtaggtgtg tcggtagtga atgccctgtc agaaaaagtg 60
 ctgctbacca tttatcgtgg tggcaagatt cacacccaaa cttaccatca cggtgtgcca 120
 caagcacctg tgtctgtrgt gggtagagact gagcgtaccg gtactaccgt acgtttcttg 180
 cctagtgcac agactttttac caatatcgaa ttccattacg acattctggc taaacgyctg 240
 cgtgagctgt cattcctgaa ctctggcgtg tcgatcaagc tgacggatga gcgtgaagaa 300
 gataagaaag accacttyat gtatgaaggt ggtattcaag cgtttgtkac ccacttgaac 360
 cgtaayaaaa cgccgatcca tgaaaaagta ttccacttca accaagagcg tgaagatggc 420
 atcagcgtgg aagtggcaat gcagtggaac gatggtttcc aagaaaacat ctactgcttt 480
 accaacaaca tyccacagcg tgatggcggg acccacttag cyggtttccg tgggtgertt 540
 acccgtactt tgaacaacta catggacaaa gaaggcttct cgaagaaagc scaagcrgca 600
 acctcgggtg atgatgcgcg tgaaggctta acrgcrgtkg tkctcggtgaa agtrccrgat 660
 cctaaattct cragccaaac caaagataag ctrgtttctt cggargtgaa atccgcggtt 720
 gagtcagcca tgaatgagaa gctggcggat ttcttggcgg aaaaccaag cgaagcgaaa 780

aacgtttgtt cgaagattat tgatgcrgrc cghgctcgtg aagcvgcgcg taaagcacgt 840
gaaatgacyc gtcgtaaagg cgcgctagay ytmgctggtt tgccw 885

<210> 6

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: consensus sequence of vibrio
mimicus -rpoD

<400> 6

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caggcagaag aactacgtct gactgayctg atttctggtt tcgttgatcc taacgacatg 180
gaaaccgaag cgccaactgc tactcacatc gggttcagarc tctctgaagc cgatctcgtc 240
gatgaagatg acgaggtcgc ggaggatgaa gacgaggatg aagatgaaga cggcgcacggt 300
gaaagyagcg acagcgaaga agaagtgggt attgaccctg agctcgcctc tgagaaattc 360
aatgaactgc gcggcaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420
agtaaccaag catctgaagc ttcaagcctg gtactggata tyttccgcga attccgccta 480
acacaaaaac aatttgacca tttggttgaa actctgcgta cctcgatgga tcgtgttcgt 540
acccaagagc gyttggtgat gaaagcvgtg gttgaagtcg cgaaaatgcc aaagaaatca 600
tttattgcyc trtttacagg caatgaatcg aatgargaat ggctygataa agtrctcgtc 660
tctgataarc cttatgtaca aaaagtacgt gagcaagaag acgatattcg ccgctcaatc 720
caaaaactkc agatgatcga acargagact tcaactgtctg ttgagcgtat caaagacatc 780
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